

### AMENDMENTS

Please amend the application as indicated hereafter.

#### To the Claims

1. (currently amended) A multi-memory architecture comprising:

a first type memory; and

a second type memory;

wherein the multi-memory architecture has a pin configuration same as ~~that~~ a standard pin configuration of the first type memory, and the first type memory and the second type memory are disposed in the multi-memory architecture simultaneously.

2. (canceled)

3. (previously presented) The multi-memory architecture of claim 1, wherein the second type memory comprises a plurality of segments; wherein storage space of the first type memory is used to replace one of the segments in the second type memory so that an access to the replaced segment is mapped to the storage space of the first type memory.

4. (previously presented) The multi-memory architecture of claim 3, wherein the segment in the second type memory that is currently being replaced by the first type memory is used to replace any one of the segments in the second type memory other than the one currently being replaced by the first type memory.

5. (previously presented) The multi-memory architecture of claim 3, further comprising: at least one replacement segment in the second type memory, which is used to replace any one of the segments in the second type memory other than the one being currently replaced by the first

type memory.

6. (previously presented) The multi-memory architecture of claim 1, further comprising a replacement memory area in the second type memory, which is used to replace any one of the segments in the second type memory other than the one being currently replaced by the first type memory.

7. (previously presented) The multi-memory architecture of claim 5, wherein one of the at least one replacement segment that is currently being replaced by the first type memory, is used to replace any one of the segments in the replacement memory area other than the one currently being replaced by the first type memory.

8-26. (cancelled)